

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 62111132
PUBLICATION DATE : 22-05-87

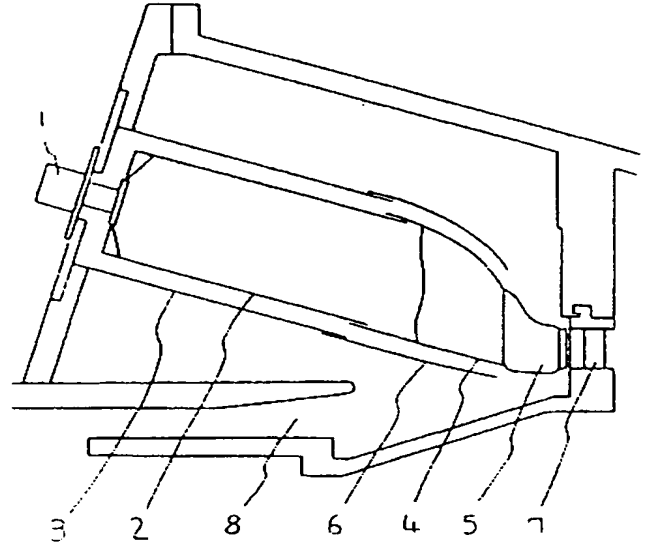
APPLICATION DATE : 08-11-85
APPLICATION NUMBER : 60248828

APPLICANT : HITACHI LTD;

INVENTOR : UCHIYAMA YOSHIHIRO;

INT.CL. : F02C 7/18 F23R 3/42

TITLE : TAIL CYLINDER COOLING
CONSTRUCTION FOR GAS TURBINE



ABSTRACT : PURPOSE: To improve the thermal efficiency by installing both an external peripheral wall and a guide wall which cover a part of a tail cylinder and forming holes on the external peripheral wall.

CONSTITUTION: An external peripheral wall 5 which covers a part of the tail cylinder 4 of a burner is installed and a plurality of holes are formed on the external peripheral 4 is also installed and compressed air which is fed into the internal cylinder 2 of the burner is fed through a passage between the guide wall 3 and the tail cylinder 4. The quantity of air which is to be fed into a burning gas passage from any portion except the internal cylinder can be reduced, whereby increasing the thermal efficiency of a gas turbine.

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